PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Customer No.: **95957**
Li, Gang	)	Art Unit: **2858**
Serial No.: **10/562,136**	)	Examiner: **Alexis Boateng**
Filed: **04/14/2008**	)	
For: **An Electric Public Transit System**	)	

Summary of Interview

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir or Madam:

Further to the interview conducted on May 11, 2011, Applicant submits the following:

Summary of Interview begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

SUMMARY OF INTERVIEW

Attendees, Date and Type of Interview

The telephonic interview was conducted on May 11, 2011 and attended by Examiner Alexis Boateng and Applicant's representative Ling Wu.

Exhibits and/or Demonstrations

None

Identification of Claims Discussed

Claims 1 and 25

Identification of Prior Art Discussed

Suzuki (U.S. 2003/0209375); Guimarin (U.S. 5,612,606);

Hammerslag (U.S. 5,927,938)

Proposed Amendments:

In order to advance the prosecution, Applicant proposes to amend the claim 1 and 25 to recite a power grid auto-trace apparatus for searching electrical consumption data for a power grid and the associated functions.

Claims 1 and 25 are proposed to be amended as follows:

Claim 1: An electric public transit system, comprising

an electric driven bus equipped with a cassette battery set and a bus-mounted control system;

a charge station placed in a predetermined place for charging cassette battery sets; and

a loading and unloading apparatus; wherein

when the bus needs change the cassette battery set, the loading and unloading apparatus unloads the cassette battery set from the bus and loads a charged cassette battery set into the bus;

the charge station is equipped with a charge control system, and the loading and unloading apparatus is equipped with a loading and unloading control system;

the loading and unloading control system, the bus-mounted control system and the charge control system are able to intercommunicate;

whereby when the loading and unloading control system receives a signal sent from the bus-mounted control system of the bus that the bus will return to the charge station, the loading and unloading control system moves the loading and unloading apparatus to a predetermined position corresponding to the bus at the charge station and waits; and

when the bus arrives at the predetermined position, the loading and unloading control system controls the loading and unloading apparatus to exchange the cassette battery set with a charged cassette battery set, whereby the bus is able to operate on line continuously;

the charge station further includes a charger, and a power grid auto-trace apparatus for searching electrical consumption data of a power grid; and

the charge control system determines whether the power grid used is in valleys based on the searching data of the power grid auto-trace apparatus;

if yes, a full charge program is started in the charger controlled by the charge control system, and the cassette battery set is charged with full current until the cassette battery set is fully charged;

if no, a float charge program is started in the charger controlled by the charge control system, and the cassette battery set is charged with float current.

Claim 25. A method for operating an electric public transit system, comprising steps of:

operating an electric driven bus equipped with a cassette battery set and a bus-mounted control system;

placing a charge station in a predetermined place with cassette battery sets charged or being charged;

sending a return signal from the bus to the charge station when the bus needs change the cassette battery set;

moving a charged cassette battery set in the charge station to a predetermined position corresponding to the bus at the charge station, while the bus is returning to the charge station; and

unloading the cassette battery set from the bus when the bus arrives at the predetermined position, and loading the charged cassette battery set waiting at the predetermined position into the bus;

whereby the bus operates on line continuously;

the method further comprising steps of:

searching, by a power grid auto-trace apparatus, electrical consumption data of a power grid; and

determining, by a charge control system, whether a power grid used is in valleys based on the searching data of the power grid auto-trace apparatus;

if yes, starting a full charge program in a charger controlled by the charge control system, and charging the cassette battery set with full current until the cassette battery set is fully charged;

if no, starting a float charge program in the charger controlled by the charge control system, and charging the cassette battery set with float current.

Principal Arguments and Other Matters

1. Claims, with proposed amendments, overcome cited references.
2. The Applicant's representative respectfully reminded the Examiner that the Preliminary Amendment of claims had been submitted on December 23, 2005 while this application was filed in USPTO. In the Preliminary Amendment many substantial amendments had been made to the claims. However the claims quoted in the rejection of the final Office Action were the claims before the preliminary amendments, thus

3. Applicant concerns that the rejections in the final Office Action were not based on the latest version of the Claims.

Results of Interview

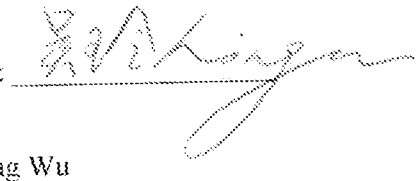
The Examiner agreed that the claims with proposed amendments overcome the cited prior arts. The Examiner would do further search to make sure there are no new subject matters introduced.

REMARKS

Applicant hereby submits the above interview summary with reference to the interview of May 11, 2011. Applicant thanks the Examiner for her time.

If the Examiner finds any remaining impediment to the prompt allowance of these claims that could be clarified with a telephone conference, the Examiner is respectfully invited to call the undersigned.

Respectfully submitted,

By: 

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